BEST AVAILABLE COPY

January 28, 2004

Mr. Chris Ruben Fe-Lines, Inc.

> Chemical analysis on several adhesive tapes and consulting on product as SUBJECT:

requested by the above company.

Purchase Order Number

RECEIVED: 1. Sticky Paws for Furniture

3. Paws Off! (Roll)

4. Paws Away (Strips)

POLYMER IDENTIFICATION: ASTM D 3677-00

Instrument:

Perkin Elmer Spectrum BX Spectrometer

Resolution:

4.0

Number of Scans:

6

Method of Preparation:

Film Method

Sample Identification

Sticky Paws

Polymer Identification

Polyacrylate*

Paws Off

Paws Away

Styrene-isoprene-Styrene / Styrene-outardiene-Styrene

Poly(butyl acrylate)**

The Sticky Paws sample appears to be Poly(ethylhexyl acrylate)

** Best matches in our Polyacrylate libraries

Enclosed please find the infrared spectra of the samples.

DEST AVAILABLE COPY

Mr. Chris Ruben Fe-Lines, Inc. Project Number: Page 2

		****** * * * * * * * * * * * * * * * *	こくすいかつ とうけいそう とうしん あまご	TO V CONTINUE
ZO A CH ZOLIDAN	ルムサインにこに みま	PHV/MASS	SPECTROME	3 17 3 (CAC) 1480)
1 A 🛰 1 H-11(1) IV	1 4 1 L / L Y I L / L I	. <u> </u>	1,77	

Instrument:

Hewlett Packard HP6890 GC/MS

Method:

SOLEXT 42.M

· Column:

Bonded; poly (5% diphenyl/95% dimethylsiloxane)

Samples:

Sticky Paws

RESULTS

None of the extracts of the three tapes evaluated contained organic additives. All contained polymer fragments. Enclosed are the chromatograms for reference.

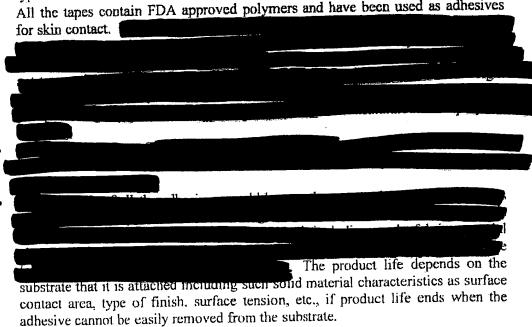
COMMENTS

The following discussion is an attempt to answer questions submitted

• Polymer fingerprints and identification were performed on six (6) different

are comprised of a The adhesive used in Sticky Paws family of adhesives identified as polyacrylates but appear to be different in the type of monomer used to produce the polyacrylates.

All the tapes contain FDA approved polymers and have been used as adhesives



BEST AVAILABLE COPY

Mr. Chris Ruben Fe-Lines, Inc. Project Number: Page 3

COMMENTS - Continued

- The adhesive used in Sticky Paws is used in the Medical supplies field. FDA does not sanction products but dictates what testing and requirements are required for a specific application. The FDA regulates food and drugs and items that will come in contact with such or added to.
- The adhesives used in Sticky Paws and Paws Away are both polyacrylates; however, the monomers used to manufacture those adhesives appear to be different.
- We would suggest isopropanol or rubbing alcohol. It will not dissolve the adhesives but soften them up enough to be able to ball it up from solid substrates. One may have to carefully work at fabric substrates. Of course, one must first test a non-conspicuous portion of the substrate to determine if any darnage may occur to the substrate.
- Same as above